IN THE SPECIFICATION:

Please amend the specification as follows:

Page 11, lines 8-9:

Figs. 5A and ~~6~~5B are sectional views of the arc tube, provided for the explanation of the electrode length L11; and

Page 17, Lines 1-14:

The electrode pins 12a and 12b, having high heat conductivity, are apt to conduct the heat from the positive column. In contrast, ~~the high heat conductivity~~ the electrode supporting members 23a and 23b, having low heat conductivity, are difficult to conduct the heat from the electrode pins ~~12a and 12b~~ 21a and 21b. Accordingly, the temperature in the gap G, especially in the vicinities of ends of the sealing members 24a and 24b, is affected greatly by the length (thermal capacity) of the electrode pins 21a and 21b. The longer the electrode pins 21a and 21b are, the greater the thermal capacity is, and the temperature in the gap G, especially in the vicinities of ends of the sealing members 24a and 24b, becomes lower (conversely, the shorter the electrode pins 21a and 21b are, the higher the temperature in the gap G is).